

CLAIMS

Therefore, having thus described the invention, at least the following is claimed:

1. A surface repair composite, comprising:
a surface patch for bonding to concrete and asphalt surfaces, said patch including:
a resin;
a catalyst;
an aggregate; and
a fiber mixed with the resin, the catalyst, and the aggregate.
2. The surface repair composite of claim 1, wherein the resin includes at least one of an epoxy material, a polyester material, and a vinyl ester material.
3. The surface repair composite of claim 1, wherein the aggregate includes at least one of sand, pea gravel, black slag, and gravel.
4. The surface repair composite of claim 1, wherein the catalyst includes at least one of methyl ethyl ketone peroxide and benzoyl peroxide.
5. The surface repair composite of claim 1, wherein the fiber includes at least one of chopped strand fiberglass and fiberglass mesh.

6. The surface repair composite of claim 1, further including pigmentation material.
7. A method of making a surface repair composite, comprising:
providing a resin, a catalyst, an aggregate, and a fiber; and
mixing the resin, the catalyst, the aggregate, and the fiber, wherein a surface patch bondable to asphalt and concrete surfaces is formed.
8. The method of claim 7, wherein the mixing includes mixing the resin with the catalyst to form a first composition, and mixing the aggregate and the fiber with the first composition.
9. The method of claim 7, wherein the mixing includes mixing the fiber with the aggregate to form a second composite, and mixing the second composite with a mixture of the resin and the catalyst.
10. The method of claim 7, wherein the resin includes at least one of an epoxy material, a polyester material, and a vinyl ester material.
11. The method of claim 7, wherein the aggregate includes at least one of sand, pea gravel, black slag, and gravel.

12. The method of claim 7, wherein the catalyst includes an organic peroxide.
13. The method of claim 7, wherein the fiber includes at least one of chopped strand fiberglass and fiberglass mesh.
14. The method of claim 7, wherein the mixing includes agitating.
15. The method of claim 7, wherein mixing further includes mixing pigmentation material.
16. A method of using a surface repair composite, comprising:
providing a surface repair composite compatible with asphalt and concrete surfaces, the surface repair composite including a resin, a catalyst, an aggregate, and a fiber; and
applying the surface repair composite to a surface.
17. The method of claim 16, further including providing the resin.
18. The method of claim 17, further including providing the catalyst.
19. The method of claim 18, further including mixing the resin with the catalyst, wherein the mixing includes agitating.

20. The method of claim 19, further including providing the aggregate and the fiber, and further including mixing the aggregate with the fiber.

21. The method of claim 20, further including mixing the aggregate and the fiber with the resin and the catalyst, wherein the mixing includes agitating.

22. The method of claim 19, further including providing the aggregate and the fiber already mixed.

23. The method of claim 22, further including mixing the pre-mixed aggregate and fiber with the resin and the catalyst, wherein the mixing includes agitating.

24. The method of claim 16, wherein the resin includes at least one of an epoxy material, a polyester material, and a vinyl ester material.

25. The method of claim 16, wherein the aggregate includes at least one of sand, pea gravel, black slag, and gravel.

26. The method of claim 16, wherein the catalyst includes at least one of methyl ethyl ketone peroxide and benzoyl peroxide.

27. The method of claim 16, wherein the fiber includes at least one of fiberglass strands and fiberglass mesh.

28. The method of claim 16, wherein the applying includes applying to a concrete surface.
29. The method of claim 16, wherein the applying includes applying to an asphalt surface.
30. The method of claim 16, wherein the applying includes applying to a wood surface.
31. The method of claim 16, wherein the applying includes applying to a metal surface.
32. The method of claim 16, further including cleaning the surface, priming the surface with a primer composition comprising the resin and the catalyst, and applying tape approximately around the surface before applying.
33. The method of claim 16, further including adding pigmentation material.
34. A surface repair kit, comprising:
a container that includes an aggregate and a fiberglass product.
35. The kit of claim 34, further including a container that includes a resin.

36. The kit of claim 35, wherein the resin includes at least one of an epoxy material, a polyester material, and a vinyl ester material.
37. The kit of claim 34, further including a container that includes a catalyst.
38. The kit of claim 37, wherein the catalyst includes an organic peroxide.
39. The kit of claim 34, wherein the fiberglass product includes at least one of fiberglass strands and fiberglass mesh.
40. The kit of claim 34, wherein the aggregate includes at least one of sand and gravel.